

### **ALB Monoclonal Antibody**

Catalog No: YM1006

Reactivity: Human

**Applications:** WB

Target: Albumin

**Fields:** >>Thyroid hormone synthesis

P02768

P07724

Gene Name: ALB

Protein Name: Serum albumin

Human Gene ld: 213

**Human Swiss Prot** 

No:

**Mouse Swiss Prot** 

No:

**Immunogen:** Purified recombinant human ALB protein fragments expressed in E.coli.

**Specificity:** ALB Monoclonal Antibody detects endogenous levels of ALB protein.

**Formulation :** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

**Source:** Monoclonal, Mouse

**Dilution:** WB 1:1000 - 1:2000. Not yet tested in other applications.

**Purification:** Affinity purification

**Concentration**: 1 mg/ml

Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

Molecularweight: 69kD

1/2



#### **Background:**

This gene encodes the most abundant protein in human blood. This protein functions in the regulation of blood plasma colloid osmotic pressure and acts as a carrier protein for a wide range of endogenous molecules including hormones, fatty acids, and metabolites, as well as exogenous drugs. Additionally, this protein exhibits an esterase-like activity with broad substrate specificity. The encoded preproprotein is proteolytically processed to generate the mature protein. A peptide derived from this protein, EPI-X4, is an endogenous inhibitor of the CXCR4 chemokine receptor. [provided by RefSeq, Jul 2016],

#### **Function:**

caution:A peptide arising from positions 166 to 174 was originally (PubMed:3087352 and PubMed:2437111) termed neurotensin-related peptide (NRP) or kinetensin and was thought to regulates fat digestion, lipid absorption, and blood flow., disease: A variant structure of albumin could lead to increased binding of zinc resulting in an asymptomatic augmentation of zinc concentration in the blood [MIM:194470]., disease: Defects in ALB are a cause of familial dysalbuminemic hyperthyroxinemia (FDH) [MIM:103600]. FDH is a form of euthyroid hyperthyroxinemia that is due to increased affinity of ALB for T(4). It is the most common cause of inherited euthyroid hyperthyroxinemia in Caucasian population., function: Serum albumin, the main protein of plasma, has a good binding capacity for water, Ca(2+), Na(+), K(+), fatty acids, hormones, bilirubin and drugs. Its main function is the regulation of the collo

# Subcellular Location:

Secreted.

**Expression:** 

Plasma.

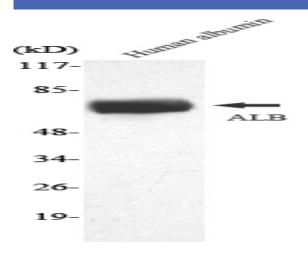
Sort:

1879

No4:

- 1

## **Products Images**



Western Blot analysis using ALB Monoclonal Antibody against human albumin whole cell lysate.